

## ABSTRACT TEMPLATE: CHECKLIST AND INSTRUCTIONS

Please complete the ABSTRACT TEMPLATE online, for Biomed 2025 Company Presentations

All items marked with an \* are mandatory to complete

The maximum number of words for this abstract is 400

Please be sure to complete the following:

Company name—PathKeeper Surgical----- \* Website \*www.path-keeper.com

CEO name-----Erez Lampert-----\*

Select a CATEGORY: Medical Devices \* (Delete categories you are not selecting)

Select up to two SESSIONS per abstract from the list below \*  
(Delete sessions you are not selecting)

- Rewiring the Brain; Breakthroughs in Neurotech and Neuromodulation
- Agentic AI; Solutions in medical applications, transformative opportunities in healthcare
- The Next Bite; Evidence Based Bio-Food by Design
- Mind the Gap, Empowering Women's Health Through Data and Innovation
- Illuminating the Path; Innovations and Challenges in Eye Care
- Evolving Trends in Orthopedic Innovation
- Personalized Medicine; Navigating Strategic Pathways - Pharma or Payers or Both
- War-Time Innovation, Peace-Time Solutions; Harnessing Crisis-Driven Breakthroughs for the Future of Medicine
- AI Meets Pharma: Building a Sustainable Value for Biotech AI innovation in Drug Development
- Frontiers in Biochip and Bio-Devices; Advancing Technological Systems with Cutting-Edge Biology
- Thriving in Turbulence; Venture Capital and Entrepreneurial Opportunities in Today's Market and Geopolitical Landscape
- Redefining the fight against Cancer: New Targets and Novel Therapeutic Modalities
- Medical Device Company: The Route from Vision to a Successful Outcome
- Aging Redefined: Breakthroughs in Science and Technology in Longevity
- Personalized Pathways; Genetic and cellular based Advances for Rare and Complex Disease
- Immunology and Inflammation Reclaim top Priorities in BioPharma: Driver and Opportunities

You may delete the section instructions, leaving only the bolded bullet title  
Answers below should not exceed 60 words per question:

- **Executive Summary / Investment Rational** Briefly describe the company's technology or therapeutic focus; the market opportunity, progress made to date, key partnerships or joint ventures, investment to date; and management strengths.
- **Core Technology** What is the technology, its uniqueness, and its value proposition?
- **Product Profile/Pipeline** Briefly describe the company's product/pipeline, status, and market potential. Discuss milestones, potential collaborations, and partnerships.
- **Business Strategy** Briefly describe how the company will apply its core technology, generate short-term and long-term revenues.
- **What's Next?** R&D, Preclinical / Clinicals, Organizational Plans, Financial Plans

PathKeeper Surgical is an Israeli Medical device start-up, with an FDA cleared solution for spine surgery navigation.

PathKeeper has developed a direct optical navigation spine navigation system that tracks the direct anatomy using radiation-free optical imaging which provides physicians with a sub-millimeter level of surgical accuracy. The system incorporates a proprietary laser-guided 3D camera that tracks each vertebra and the surgeon's tools independently throughout the procedure. The 3d optical images are analyzed using AI algorithm trained on thousands of cases and integrated with a pre-surgery CT scan of the patient. The PathKeeper AI continuously adjusts the anatomical map to reflect spinal movement and surgeon manipulation guiding the surgeon tools and enabling physicians to achieve sub-millimeter accuracy for optimal surgical outcomes. Pathkeeper combination on 3D optical imaging and AI algorithms enables unique clinical capabilities that expand the surgical results and protect the patient from surgeons mistakes. PathKeeper solution is ***fast, accurate, safe, portable, and very cost effective.***

Clinical and commercial traction:

PK received their first 510k in March 2023 and is completed a successful Alpha Launch at select hospitals in the northeast US and in Israel and performed more than 100 successful surgeries and recently sold it's first units and signed several large commercial agreements. PK is lead by Erez Lampert as CEO and Dr. Richard Westmark as COB. Both bring a combined track record of engineering and clinical acumen in Spinal surgery, AI, 3D imaging and medical devices.